

Converting Colors

XYZ(23.2999, 31.4300, 30.0379)

Have a look what the booklet for
XYZ(23.2999, 31.4300, 30.0379)
contains.

XYZ(23.2999, 31.4300, 30.0379)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.2999, 31.4300,
30.0379)**

Conversions

Conversions Part 1

Format	Color
Hex	62A58D
RGB	98, 165, 141
RGB Percent	38%, 65%, 55%
CMY	0.6157, 0.3529, 0.4471
CMYK	0.41, 0.00, 0.15, 0.35
HSL	159°, 27%, 52%
HSV	159°, 41%, 65%
XYZ	23.2999, 31.4300, 30.0379
YIQ	142.2310, -32.2280, -21.6680

Conversions

Conversions Part 2

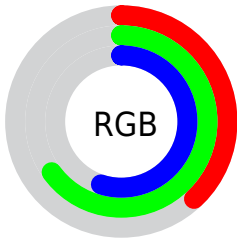
Format	Color
RYB	98, 139, 165
Decimal	6464909
CIELab	62.87, -27.03, 5.78
CIELCh	63, 27.638, 167.919
Yxy	31.4300, 0.2749, 0.3708
Android (android.graphics.Color)	4284654989 (0xFF62A58D)
YUV	142.2310, -0.6069, -38.7906
Hunter-Lab	56.0625, -23.9236, 7.4765

Details

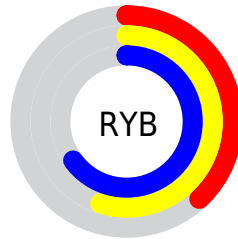
The XYZ color **23.2999, 31.4300, 30.0379** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **23.3987, 18.1407, 20.6820**, and the grayscale version is **25.8148, 27.1592, 29.5764**.

A 20% lighter version of the original color is **48.3924, 61.8019, 61.0082**, and **8.8756, 13.1235, 11.9628** is the 20% darker color. If you saturate the color by 10%, you get **21.2718, 30.4348, 27.7085**, and if you desaturate by 10%, it is **25.7203, 32.6264, 32.5096**.

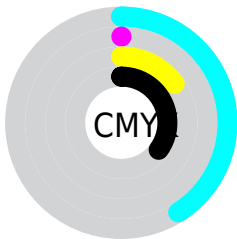
Distribution



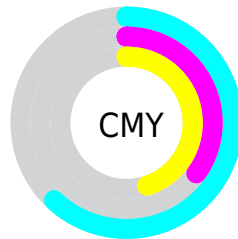
- Red (38%)
- Green (65%)
- Blue (55%)



- Red (38%)
- Yellow (55%)
- Blue (65%)



- Cyan (41%)
- Magenta (0%)
- Yellow (15%)
- Black (35%)



- Cyan (62%)
- Magenta (35%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2999, 31.4300, 30.0379 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 23.2999, 31.4300, 30.0379 by changing the saturation by 10% instead.

■ 23.2999, 31.4300,
30.0379

■ 23.2999, 31.4300,
30.0379

261.7683,
308.5145, 316.2939

■ 14.9370, 20.9265,
19.6151

■ 48.3483, 61.9164,
60.7838

■ 8.8612, 13.0703,
11.9342

■ 65.7646, 82.6682,
81.9440

■ 4.7072, 7.4770,
6.5769

■ 86.9294, 107.6047,
107.5203

■ 2.1095, 3.7621,
3.1245

■ 112.2080,
137.1106, 137.9314

■ 0.6944, 1.5414,
1.1586

141.9659,
171.5701, 173.5958

■ 0.0000, 0.3176,
0.0000

176.5683,

■ 0.0000, 0.0000,

211.3676, 214.9320

0.0000

216.3806,
256.8876, 262.3585

■ 23.2999, 31.4300,
30.0379

■ 23.2999, 31.4300,
30.0379

■ 21.2718, 30.4348,
27.7085

■ 25.7203, 32.6264,
32.5096

■ 19.6102, 29.6250,
25.5162

■ 28.5514, 34.0309,
35.1243

■ 18.2904, 28.9888,
23.4586

■ 31.8137, 35.6550,
37.8854

■ 17.2833, 28.5112,
21.5324

■ 35.5255, 37.5079,
40.7955

■ 16.5548, 28.1747,
19.7340

■ 39.7040, 39.5986,
43.8572

■ 16.0517, 27.9497,
18.1556

■ 44.3655, 41.9353,
47.0729

■ 49.5255, 44.5261,
50.4450

■ 55.1986, 47.3784,
53.9759

■ 61.3992, 50.4997,
57.6678

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



24.7852, 31.4300, 22.0558



23.2999, 31.4300, 30.0379



23.4630, 31.4300, 41.0522

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



23.2999, 31.4300, 30.0379



32.1716, 31.4300, 58.1639



35.0271, 31.4300, 20.9533

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



23.2999, 31.4300, 30.0379



23.3987, 18.1407, 20.6820

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



37.3561, 31.4300, 28.1947



23.2999, 31.4300, 30.0379



35.6140, 31.4300, 50.1978

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



23.2999, 31.4300, 30.0379



28.3742, 31.4300, 58.9509



37.5795, 31.4300, 38.7775



31.4243, 31.4300, 17.6039

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



23.2999, 31.4300, 30.0379



24.4862, 31.4300, 48.7143



37.5795, 31.4300, 38.7775



35.9977, 31.4300, 22.9332

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



23.3008, 31.4313, 30.0386



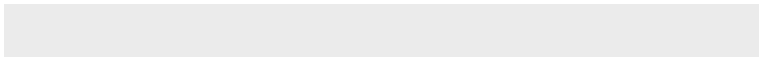
55.9772, 63.3563, 67.0313



23.7673, 31.9725, 16.4746



12.0772, 13.7710, 14.5215



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.3008, 31.4313, 30.0386



38.3298, 54.6194, 49.9091



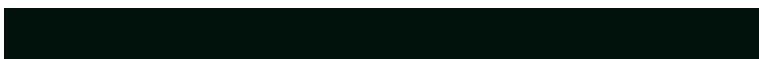
23.7292, 29.1138, 39.9676



7.1679, 7.9680, 8.4958



12.1672, 21.1532, 13.8631



0.2770, 0.4530, 0.4035

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



23.3987, 18.1407, 20.6820



38.5385, 27.4168, 30.7992



22.9734, 19.3836, 14.0865



7.1737, 7.1259, 7.9012



12.3602, 6.3001, 3.8215



0.2817, 0.1412, 0.1960

Previews

White Background



This preview shows how the XYZ color 23.2999, 31.4300, 30.0379 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.2999, 31.4300, 30.0379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

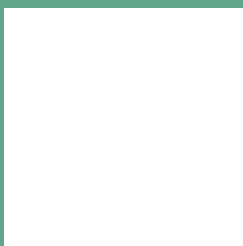
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2999, 31.4300, 30.0379

Background



This preview shows how black text looks on a background with the XYZ color 23.2999, 31.4300, 30.0379.



This preview shows how white text looks on a background with the XYZ color 23.2999, 31.4300,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

23.2999, 31.4300, 30.0379

Protanopia

29.4702, 31.1235, 27.0085

Deuteranopia

31.5382, 30.9269, 31.0953



Tritanopia

26.0575, 31.2229, 44.1884

Trichromacy



Original Color

23.2999, 31.4300, 30.0379

Protanomaly

26.5572, 30.8173, 28.2155

Deuteranomaly

27.7530, 30.6357, 30.8361

Tritanomaly

24.9469, 31.2974, 38.4444

Monochromacy



Original Color

23.2999, 31.4300, 30.0379

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.3930, 28.2013, 29.7489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2999, 31.4300, 30.0379 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(98, 165, 141)` looks like.

```
.text, #text, p{  
    color:rgb(98, 165, 141)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(98, 165, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 165, 141) }
```

Border

The CSS property to change the border of an element to XYZ 23.2999, 31.4300, 30.0379 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(98, 165, 141) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(98, 165, 141) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(98, 165, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 165, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 165, 141);  
box-shadow:4px 4px 4px 4px rgb(98, 165,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2999, 31.4300, 30.0379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 165, 141) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(98, 165,  
141) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor